Connor Vanderhook

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Experience

Kablamo
SENIOR SOFTWARE ENGINEER   *Oct 2021 - Nov 2022*
- Designed streaming and batch data pipelines for an extreme-weather prediction engine with automatically scaled, parallel predictions saving hundreds of analyst work hours per month.
- Refactored legacy log indexing and observability services to improve metrics of the usage and cost for infrastructure processing PBs per month.
- Developed API and audio processing pipeline in Node.js for a social media platform leveraging AWS Serverless technologies to enable user-generated content, audio streaming, and social features.
- Facilitated rainbow deployments using a dynamic multi-branch Jenkins build pipeline that enabled +20 engineers to rapidly develop new features and release candidates in their own isolated production-like cloud environments.
  Go, Typescript, Python, AWS, ECS, Cloudformation, Codepipeline / Jenkins, Elasticsearch, Lambda, API Gateway, GraphQL, Kinesis, DynamoDB, PostgreSQL, PostGIS

Kablamo
SOFTWARE ENGINEER   *Aug 2019 - Sep 2021*
- Scaled an Elasticsearch cluster and related infrastructure for an e-commerce store by optimizing indices, sharding strategies, tuning the JVM, and eliminating slow queries.
- Built a telecommunication digital storefront as an SSR Next.js application, that provided millions of monthly active users with new self-service features and a dynamic shopping cart.
- Developed contextual ad-targeting, workflow API, and robust search engine to automate online video distribution for popular media sites in the Asia-Pacific region.

True Anthem
SOFTWARE ENGINEER   *Jan 2018 - Apr 2019*
- Created event-driven microservices for a social media analytics & automation platform using streaming >10k events/sec through proprietary and third-party APIs.
- Migrated services from Mesos on AWS EC2 to Google Kubernetes Engine running on GCP leading to a reduction in overall operating cost.
- Orchestrated the shipment of major product releases, and non-disruptive upgrades to schema registries, cluster infrastructure, and RDBMS.
  Golang, Ansible, Docker, Travis CI, Facebook & Twitter APIs, Cassandra, MongoDB, Kafka, Redis, HAProxy, Mesos, Cloudflare, Kubernetes

True Anthem
TEAM LEAD SUCCESS ENGINEERING   *May 2016 - Jan 2018*
- Learned to lead and motivate teammates, administer difficult conversations, and provide constructive feedback through peer and code review.
- Implemented a data warehouse leveraging Kafka (Streams & Connect), Prometheus, Grafana, and Big Query to provide a holistic view of our users and provide KPI metrics to business stakeholders.
- Created Kafka consumer tools to replay system events and visualize historical actions during debugging and troubleshooting.

True Anthem
CUSTOMER SUCCESS ENGINEER   *Sep 2015 - Apr 2016*
- Developed internal tooling and an internal admin UI to automate repetitive maintenance tasks saving account managers 100s of hours per year.
- Investigated complex issues, bugs, and system outages by monitoring logs, metrics, and traces and configured new dashboards and alerts to prevent future instances.
- Customized and profiled javascript analytics scripts to capture user engagement events and metrics while maintaining optimal site performance.

nCino
IMPLEMENTATION ENGINEER   *Jun 2014 - Sep 2015*
- Coordinated with product and engineering on the discovery and design of new features to meet the desires of our largest customers.
- Developed integrations with customer-owned systems to synchronize their data with their instances of our platform.
  Java, Salesforce, Informatica, Apex, Javascript, jQuery, SOAP, and REST APIs.

Projects

Lace
PLATFORM ENGINEER   *Jun 2022 - Dec 2022*
- Architected audio recording, processing, and streaming engine for a new audio-based social media mobile application.
  Swift, SwiftUI, Typescript, Firebase, Terraform, Google Cloud Platform, GCS, Cloud Functions, Cloud Run, EventArc, PubSub, ffmpeg

Education

University of North Carolina Wilmington   *Wilmington, NC*
BACHELOR OF SCIENCE   *September 2009 - May 2013*
Business Administration - Entrepreneurship & Business Development